1. Calculate the area of this shape.

16 cm
12 cm
20 cm

…………………
(2 marks)

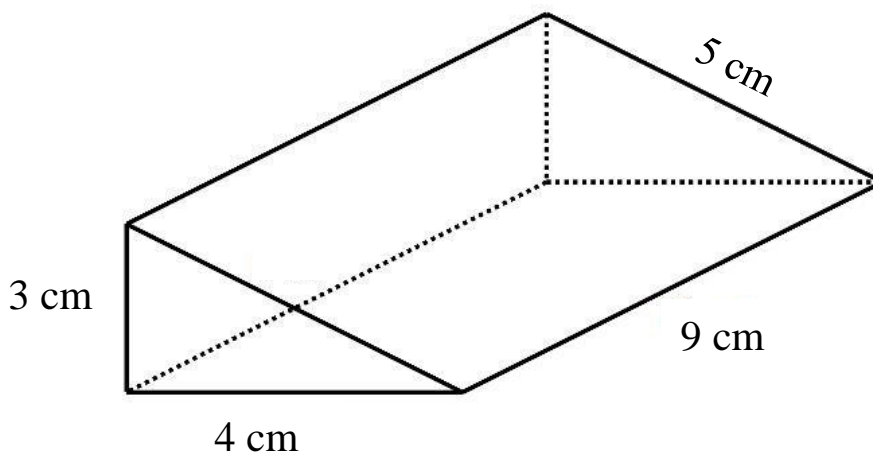2. Calculate the area of this shape.

7 cm
4 cm
12 cm
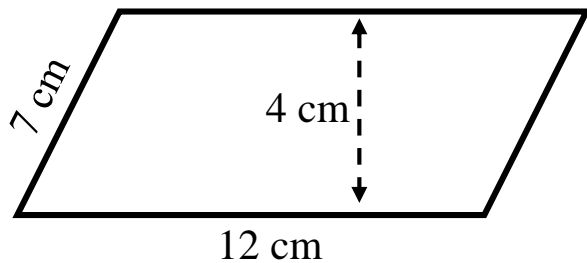
…………………
(2 marks)

3. Calculate the volume and surface area of the cube below.

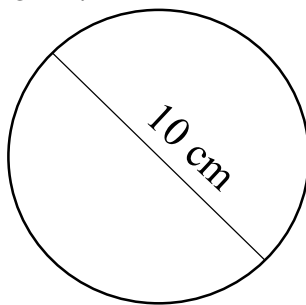5 cm
3 cm
9 cm
4 cm

Volume = …………

Surface area = … ………
(5 marks)

3. Calculate the circumference of this circle.
   Leave your answer in terms of π.

10 cm

…………………
(2 marks)
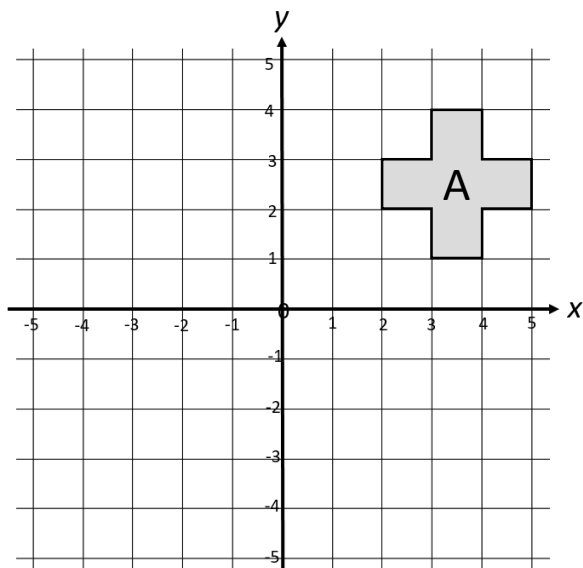
4. Two sides of a right angle triangle are 5cm and 10cm.
   There are two possible answers for the third side.
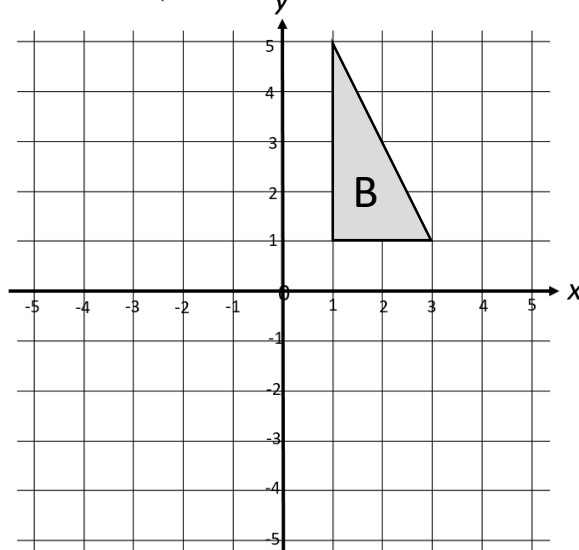   Round your answers to 1 decimal place.

…………………
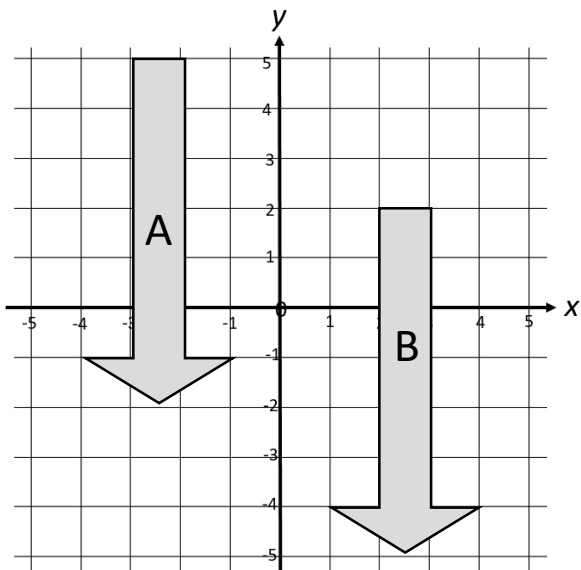(2 marks)

5. Reflect shape *A* in the line $y = 0$

A

(2 marks)
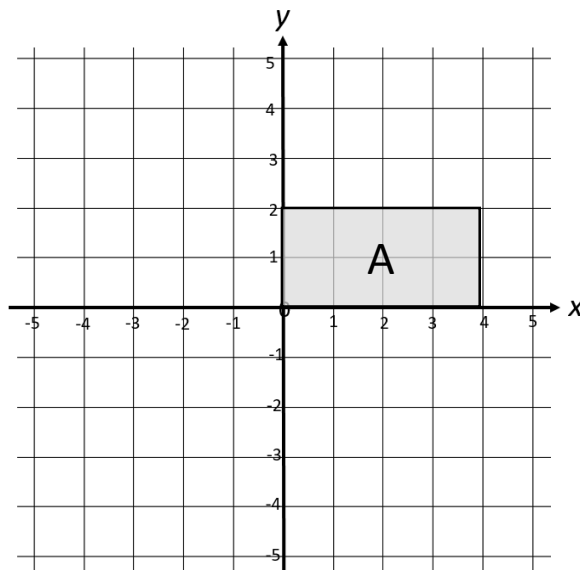
6. Rotate shape *B* by 90° CW about the center (-1 , 1)

B

(2 marks)

7. Describe the single transformation from shape A to B.

A

B

_____

_____

_____

_____

(2 marks)

8. Enlarge shape *A* by scale factor $\frac{1}{2}$ from the center (-4 , -2)

A

(2 marks)

Score =